MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PPS, Submarine Sealer Cooler Coating HMIS CODES: H R PRODUCT CODE: 308 G 1

----SECTION I- MANUFACTURER IDENTIFICATION ==

MANUFACTURER'S NAME:

ADVANCED PACKAGING & PRODUCTS COMPANY

ADDRESS:

16131 S. Maple Avenue, Gardena, California 90248 USA

EMERGENCY PHONE:

1-800-424-9300

DATE REVISED:

08/15/94

INFORMATION PHONE: 1-310-323-6165

REASON REVISED: Updated Data/Warnings

NAME OF PREPARER: ADVANCED PACKAGING

-SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =

OCCUPATIONAL EXPOSURE LUMPS CAR NUMBER DOMA FEL ACCIDITATO OTRES TLUMBIS VAPOR PRESSURE WHIGHT HAZARBOUT COMPONENTS *TOLUENE / AROMATIC / HYDROCARBON • METHYLENE CHLORIDE / HYDROCARBON 108883 100 100 150 22 @ 68°F 11.5% 227 @ 100*F 70puig @ 74*F 75092 500 SÕ 200 10.0% PROPELLANT: ISOBUTANE & PROPANE 62476217 100 800 NB

* = SARA Trie III (See Malow) ABROSOL - CONTENTS UNDER PRESSURE 52+A5 paig Do Ship 20 - Burglior Still - Short Toront

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS -

BOILING POINT:

-13.5 to 232°F

SPECIFIC GRAVITY: N/A

VAPOR DENSITY:

HEAVIER THAN AIR. EVAPORATION RATE: FASTER THAN ETHER

SOLUBILITY IN WATER: N/A

APPEARANCE AND ODOR: AEROSOL PAINT

PLASH POINT: PROPELLANT 0.0°F

METHOD USED: T.O.C.

PLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1.0%

UPPER: 9.5%

EXTINGUISHING MEDIA: CO., DRY CHEMICAL, FOAM

SPECIAL FIREFIGHTING PROCEDURES:

Ayori Cermined Praces. Furfichters should be equipped with full protective equipment including a positive presente incom-approved estr-contained expathence apparatus. Water may be unsuitable as an extriculence regium.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORE ARE REAVER THAN ARE AND MAY ACCUMINATE IN LOW AREAS OF FOOR VINTELATION OR TRAVEL ALDROTHS ORGANIC TO REMOTE IGNITION SITES. CONTENTS ARE UNDER PRESSURE. KEEP COOL. EXPOSURE TO IMAT OR SIGNIFICATION MAY CAUSE CARE TO SURET AND FROME. CONTENTS. WATER FROM POO HOLESES MAY BE IMPOUND. IN COOLING LINEAUTURED CONTARGES TO PREVENT PRESSURE BUILD-UP.

SARA:

These ingredients are subject to SARA Title Section 313 reporting for Superfund Amendments &

Resuthorization Act of 1986 and CFR 40 Part 372.

SARA:

Aerosol products are subject to SARA Title III Section 312 reporting for Superfund Amendments &

Reauthorization Act of 1986 and CFR 40 Part 372.

Pursuant to Prop. 65:

Certain raw materials used in amking this product are regulated by Prop. 65 (See

Section VI).

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 Sempler with the OSTA: Henced Commonication Standard nime 317 of This St & 40 CYN 175.

MATERIAL SAFETY DATA SHEET

SECTION V - REACTIVITY DATA

STABILITY:

STABLE

CONDITIONS TO AVOID:

do not etore above 1947.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZING ACENTA STRONG ACIDS AND BASES, SELECTED AMINES.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

MAY BAIT FUMES WIREN ITEATED TO DECOMPOSITION, MAY BAIT CARBON MONOXIDE, CARBON DICKIDE, UNIGENTIFIED CRIGANIC COMPOUNDS.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

⇒SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY CALISE NOTE AND TREATATION. MAY CAUSE SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROCEEDING STEPS: HEADACHE, DEZZNESS, NAUSERA, STAGGERING GAIT, LASSITUDE, LOSS OF COORDINATION, CONFUSION, UNCONSCIDUINESS.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY CAUSE DESTATION OR BURNING OF THE BYES. REPEATED OR PROLONOSTI LIQUID CONTACT MAY CAUSE SKIN DESTATION WITH DISCOMPORT AND DERMATTER, BYE WATERING, HEADACHEE, NAUSEA, DIZZINESE, ETC. ARE SIGNS THAT SOLVENT LEVELS ARE TOO HIGH.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EEE BEHALATION, ORGANIC BOLVENTS ARE EASILY ABSORDED. DRY SKIN, REDNESS, OR DRRMATITIE DUE TO THE DEFATTING ACTION OF SOLVENTS ARE SECRES OF REPOSURE.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

BEE INTRALATION. MAY ALSO RESULT IN GASTRO-INTESTINAL DISTRIBLE IS A DANGER OF PETROLEUM DISTRIBLE ENTERING THE LUNG IF SWALLOWED OR VOMITED AND CAUSING INFLAMMATION, DAMAGE OR EVEN DEATH.

HEALTH HAZARDS (ACUTE AND CHRONIC)

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENT WITH PERMANENT BRAIN AND MERVOUS SYSTEM DAMAGE LABORATORY STUDGES WITH RATE HAVE SHOWN THAT PETROLEUM DISTILLATER CAUSE KIDNEY DAMAGE AND KIDNEY OR LIVER TUMORS. THREE EPPECTS WERE NOT SERVED BENGLAR STUDGES WITH GUINEA FIGS, DOGS OR MONKEYS. SEVERAL STUDGES EVALUATING PETROLEUM WORKERS HAVE NOT SHOWN A SIGNIFICANT RICREASE OF KIDNEY DAMAGE OF AN INCREASE IN KIDNEY OR LIVER TUMORS.

CARCINGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO METHYLENE CHARGE & KNOWN TO THE STATE OF CALIFORNIA TO CALIFE CANCEL. TOLLIEBE IS KNOWN TO THE STATE OF CALIFORNIA TO CALIF

METHYLENE CHLORIDE IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. TOLLIEDE IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE ASPROCUCTIVE TOXICITY.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

PAR-EXISTING EYE, SKIN, AND REEPIRATORY DISCRIDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

EMERGENCY AND FIRST AID PROCEDURES:

nhalation: remove to fresh Air. If not breathing, give artificial respiration, preferably moutifito-moutii, call doctor.

Eve in case of eve contact, immediately flush with plenty of water for at least 13 minuter call a physician.

Skin: In case of skin contact, wash skin with soap and water. If irritation occurs, contact a physician.

Incretion: for incretion, call physician dimediately, have names of fiazardous ingridients ready, do not induct vomiting, keep sead lower tilan waset, asprention of vomitus may result in chemical prelimonitis and/or fill monary edema.

Pursuant to Prop. 65: Prop. 65 applies to a list of chemicals named by the Governor of California as careinogens or reproductive toxins. Warning requirements for specific chemicals take effect one year after they are added to the Governor's list. Other chemicals already added to the Governor's list will be regulated later under Prop. 65.

MATERIAL SAFETY DATA SHEET

-SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE -

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ventrate area. Remove sources of kinition, including hot metal, surfaces. Wear appropriate clothing and ceal feevent skin contact and avoid dreathing of vapor. Confide Deathing of vapor. Confide Deathing of vapor. Confide Deathing of vapor.

WASTE DISPOSAL METHOD

DO NOT ALLOW MATERIAL TO CONTAMINATE GROUND WATER SYSTEM. PLACE IN NON-LEAKING CONTAINED. DEPOSE OF ABSORMED MATERIAL IN ACCORDANCE WITH ALL PROPERLY, STATE, AND LUCAL REQUIREMENTS. DO NOT INCIDERATE IN CLOSED CONTAINERS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

COSERVE LABEL PRECAUTIONS. EXEP AWAY YROM HEAT, SPARKS, AND OPEN FLAME C.E. ALL LINETION SOLECES. CAP CONTAINER AFTER EACH USE. WASH TRICKCUCKLY AFTER HANDLING AND BERCRE EATING OR SMOKING. DO NOT STORE ABOVE 130°F. STORE IN DRY, WELL VENTILATED PLACE. DO NOT EXPOSE TO DESICT SURLICEIT TO AVOID BURSTING. DO NOT SPRAY MEAR FIRE OR PLAME.

OTHER PRECAUTIONS

Keip away from children, avod unrecessary contact. Do not take internally. Do not functure contariers. Use with adequate yentelation - do not relate vapors. Dytentional insues by deliberatily concentrating and relating vapors of this product may be harmful or fatal. Do not eard, hame cut, braze or weld dry continue of insource approved respector or sufficient yentelation.

-SECTION VIII - CONTROL MEASURES :

RESPIRATORY PROTECTION

DO NOT SEEATH VAPORS OR LIGHTS. IF THE TLV, FIE, OR OTHER LIMITS ARE EXCERCISE, THEN WEAR A PROPERLY FITTED VAPOR AND PARTICULATE OR POSITIVE PRESSURE ARE SUPPLIED RESPIRATOR APPROVED BY INCHEMISH FOR USE WITH PAINTE DURING APPLICATION AND UNTIL ALL VAPORS AND SPRAY MISTS ARE EXCEAUSTED, POLLOW THE RESPIRATOR MANUFACTURERS DIRECTIONS FOR PROPER USE.

VENTILATION

PROVIDE SUPPLIENT VENTILATION IN VOLUME AND PATTERN TO KEEP CONTAINMENT'S BELOW APPLICABLE ONLY REQUIREMENTS OF OTHER BUGGESTED EXPOSURE LINGTH, USE ONLY EXPLISION PROOF EQUIDMENT WITH FLANKABLE MATERIALS.

PROTECTIVE GLOVES

THE MECPRENE CLOVES OR DETTER, PROTECTIVE CREAMS ARE NOT RECOMMENDED FOR PROTECTION BUT MAY BE USED FOR TABE OF CLEANUP.

EYE PROTECTION

GOGGLES ARE BEST TO PREVENT BYE IRRITATION. WHEN USING SAPETY GLASSES ADD SPLASH GUARD, SIDE SHIELDS, OR FACE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

APRON, COVENALLS, OR WORK CLOTHES. CHANGE CLOTHES AND SHOES IN CASE OF SPILL, SPLASS, OR SECESSIVE OVER SPRAY. DO NOT KEUSE CLOTHING OR SHOES WHILE SOLVENT ODOR 10 RETAINED IN THEM. BYS WASHES AND SAFETY SHOWERS COULD ALSO BE PROVIDED.

WORK/HYGIENIC PRACTICES

AS WITH ALL CIEMICAL PRODUCTS, USE CASE IN HANDLING. DO NOT SMOKE OR SAT WITHOUT FIRST WARKING YOUR HANDS.

=SECTION IX - DISCLAIMER -----

DISCLAIMER

The information in this mede was obtained from excited which are believed to be reliable. However, the difformation is provided without any representation or warranty, expressed or difficied, regarding its accuracy or correctness. It relates only to the material designated herein and does not relate to use in combination with any other material of process.